

ABSTRACT OF THE DISCLOSURE

The present invention extends to mechanisms for detecting termination and providing information related to termination of a computer system process. A computer system loads a termination function (e.g., an abort, exit, or terminate function) into system memory. The termination function includes termination instructions that, when executed, cause a calling process to terminate without providing information related to a termination event that caused the calling process to terminate. In memory, the functionality of the memory resident termination function is redirected to a memory resident invalid instruction that, when executed, causes an exception providing termination information related to a termination event (e.g., the exception is propagated to an operating system code layer). A memory resident process detects a termination event and the memory resident program calls the termination function. The computer system redirects the call from the memory resident termination function to the memory resident detour function.

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